

Title (en)
METHOD FOR COATING APPARATUSES AND PARTS OF APPARATUSES FOR THE CONSTRUCTION OF CHEMICAL INSTALLATIONS

Title (de)
VERFAHREN ZUR BESCHICHTUNG VON APPARATEN UND APPARATETEILEN FÜR DEN CHEMISCHEN ANLAGENBAU

Title (fr)
PROCEDE D'APPLICATION D'UN REVETEMENT SUR DES APPAREILS ET PARTIES D'APPAREILS POUR LA CONSTRUCTION D'INSTALLATIONS CHIMIQUES

Publication
EP 1272686 A2 20030108 (DE)

Application
EP 01938054 A 20010327

Priority
• DE 10016215 A 20000331
• EP 0103464 W 20010327

Abstract (en)
[origin: WO0173162A2] The invention relates to a method for surface-coating apparatuses and parts of apparatuses for the construction of chemical installations, for example apparatus, container and reactor walls, discharging devices, fittings, pumps, filters, compressors, centrifuges, columns, heat exchangers, dryers, reducing machines, built-in parts, packing and mixing mechanisms. The method is characterised in that bumps with an average height of 100 nm to 50 μ m are produced on the surface to be coated, at average intervals of 100 nm to 100 μ m, before the surface is coated by currentlessly depositing a layer of metal or a layer of a metal-polymer-dispersion using a galvanisation bath containing a metal electrolyte, a reduction agent and optionally, a polymer or polymer mixture to be deposited, in dispersed form.

IPC 1-7
C23C 18/16

IPC 8 full level
F28F 19/06 (2006.01); **C23C 18/16** (2006.01); **C23C 18/31** (2006.01); **C23C 18/52** (2006.01)

CPC (source: EP KR US)
C23C 18/16 (2013.01 - KR); **C23C 18/1662** (2013.01 - EP US); **C23C 18/36** (2013.01 - EP US); **Y10T 428/12146** (2015.01 - EP US); **Y10T 428/12944** (2015.01 - EP US)

Citation (search report)
See references of WO 0173162A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0173162 A2 20011004; **WO 0173162 A3 20020411**; AU 6381601 A 20011008; CA 2404435 A1 20011004; CN 1419609 A 20030521; DE 10016215 A1 20011004; EP 1272686 A2 20030108; JP 2003528983 A 20030930; KR 20030014197 A 20030215; MX PA02008860 A 20030210; US 2003054114 A1 20030320; US 6783807 B2 20040831

DOCDB simple family (application)
EP 0103464 W 20010327; AU 6381601 A 20010327; CA 2404435 A 20010327; CN 01807210 A 20010327; DE 10016215 A 20000331; EP 01938054 A 20010327; JP 2001570870 A 20010327; KR 20027012968 A 20020928; MX PA02008860 A 20010327; US 23982602 A 20020926